

Claims

1. An arrangement for connecting a dental X-ray imaging sensor to a holder;
 - said sensor being a flat piece with a length and a width, a radiation sensitive area extending along said length and width, and at least one communication line connected to said radiation sensitive area for data transfer;
 - said holder being an elongated body having a first end provided with means for detachable connection of said sensor;said arrangement further comprising:
 - a peg projecting from said flat piece in a direction perpendicular to said length and width, said peg provided with a widened outer end and a neck between said outer end and said flat piece, said neck having a configuration with a plurality of alternate larger diameters and smaller diameters; and
 - a fork with a gap at said first end of the holder, said gap being adapted to fit onto said neck at least in two different positions, an interaction between said fork and said larger and smaller diameters of the neck prohibiting unintended pivot of said sensor in respect to the holder.
2. An arrangement of claim 1, wherein said configuration of the neck is a polygon with at least two pairs of opposite sides having said smaller diameter therebetween.
3. An arrangement of claim 2, wherein said opposite sides of the neck are parallel.
4. An arrangement of claim 3, wherein said configuration of the neck is symmetrical in respect to a center line perpendicular to said length and width of the sensor.
5. An arrangement of claim 3, wherein said parallel opposite sides of a first pair of sides are parallel to said length of the sensor, and said parallel opposite sides of a second pair of sides are parallel to said width of the sensor.
6. An arrangement of claim 1, wherein said configuration of the neck has a plurality of longitudinal ridges.
7. An arrangement of claim 6, wherein said gap of the fork has opposite inner walls, which are provided with teeth and are generally parallel.

8. An arrangement of claim 1, wherein said neck has a spacing dimension between said outer end and said flat piece, and said fork has a thickness at the maximum equal to said spacing dimension.
- 5 9. An arrangement of claim 1, wherein said gap of the fork has an opening direction, which is transversal or longitudinal to said elongated body of the holder.
- 10 10. An arrangement of claim 2, wherein said gap of the fork has even parallel inner walls with a spacing therebetween substantially equal to said smaller diameter between the sides of the neck.
11. An arrangement of claim 1, wherein said fork is a fixed part of said holder.
- 15 12. An arrangement of claim 1, further comprising a bite wing permanently attached to said elongated body of the holder.
13. An arrangement of claim 1, wherein said elongated body of the holder has a second end with provisions for gripping by a person.
- 20 14. An arrangement of claim 1, wherein said elongated body of the holder has a second end with a support ring adapted to fit onto a predetermined extension part in an X-ray radiation source.
- 25 15. An arrangement of claim 9 and 14, said opening direction of the gap being transversal to said elongated body of the holder, and a plane of said fork being transversal to said elongated body of the holder.
- 30 16. An arrangement of claim 9 and 13, said opening direction of the gap being transversal or longitudinal to said elongated body of the holder, and a plane of said fork being parallel to said elongated body of the holder.